

## ABSTRACT

The polycarboxylic acid cement dispersant of the present invention can exhibit high dispersing ability and allow deforming in early stages in the case of producing concrete products, whereby the turnover of a formwork is increased so as to improve productivity, and the method of producing a concrete product of the present invention can allow deforming in early stages, whereby the turnover of a formwork is increased so as to improve productivity.

The polycarboxylic acid cement dispersant which provides a cement composition having a penetration resistance value exponent of 55 MPa or more and a slump retention exponent of 80% or more, and the method of producing a concrete product which makes use of a copolymer derived by using monomer components comprising the monomer (A) as polyalkylene glycol unsaturated monomer, the monomer (B) as unsaturated carboxylic monomer, and the monomer (C) as sulfonic acid group-containing monomer.